

Title (en)
TOOTHBRUSH BRISTLE

Title (de)
BORSTE FÜR EINE ZAHNBÜRSTE

Title (fr)
SOIE POUR BROSSE A DENTS

Publication
EP 0957711 A1 19991124 (DE)

Application
EP 97943890 A 19970924

Priority
• DE 19640853 A 19961002
• EP 9705221 W 19970924

Abstract (en)
[origin: US6141819A] The invention is directed to a bristle (12) for a toothbrush, in particular for an electric toothbrush, which is made of plastic and includes several filaments (13, 14, 15) joined together. The filaments (13, 14, 15) are wound or braided and joined together as a result of the action of chemical agents. This results in a firm bond between the filaments (13, 14, 15), and any cavities between the filaments (13, 14, 15) are reliably avoided. Overall, a toothbrush results which, in addition to having a high cleaning effect, offers bacteria or other germs no possibility of infiltration.

IPC 1-7
A46D 1/00

IPC 8 full level
D07B 5/08 (2006.01); **A46D 1/00** (2006.01)

CPC (source: EP US)
A46D 1/00 (2013.01 - EP US); **A46D 1/023** (2013.01 - EP US); **Y10T 428/2964** (2015.01 - EP US); **Y10T 428/2973** (2015.01 - EP US); **Y10T 428/2978** (2015.01 - EP US)

Citation (search report)
See references of WO 9814090A1

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI NL PT SE

DOCDB simple family (publication)
US 6141819 A 20001107; AT E211628 T1 20020115; AU 4556697 A 19980424; AU 708947 B2 19990819; BR 9712195 A 20000125; CN 1107473 C 20030507; CN 1232373 A 19991020; DE 19640853 A1 19980416; DE 59706142 D1 20020228; EP 0957711 A1 19991124; EP 0957711 B1 20020109; JP 2001501511 A 20010206; RU 2175518 C2 20011110; WO 9814090 A1 19980409

DOCDB simple family (application)
US 28380299 A 19990401; AT 97943890 T 19970924; AU 4556697 A 19970924; BR 9712195 A 19970924; CN 97198502 A 19970924; DE 19640853 A 19961002; DE 59706142 T 19970924; EP 9705221 W 19970924; EP 97943890 A 19970924; JP 51619798 A 19970924; RU 99108723 A 19970924